

## ABSTRACT OF THE DISCLOSURE

An externally configurable soft starter system comprises a motor controller including solid state switches for controlling application of power to a motor. A control circuit controls operation of the solid state switches. The control circuit comprises a programmed processor for commanding operation of the solid state switches and a memory connected to the programmed processor storing parameters relating to operation of the solid state switches. An interface circuit is operatively connected to the programmed processor. An external device includes a memory for storing parameters relating to operation of the solid state switches and an interface for communication with the motor controller. A configuration program is operatively implemented in the programmed processor and the external configuration device for transferring a configuration database file between the controller memory and the external device memory. The configuration database file comprises a plurality of the stored parameters relating to operation of the solid state switches.